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Shimizu et al.

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(54)	GAME SYSTEM WITH ENHANCED LOW POWER MODE-RELATED PROCESSING					
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5,621,401	A *	4/1997	Jeon et al 713/321				
5,630,144	A *	5/1997	Woog et al 713/310				
5,821,924	A *	10/1998	Kikinis et al 713/324				
5,880,719	A *	3/1999	Kikinis 713/324				
6,006,335	A *	12/1999	Choi et al 713/310				
6,037,748	A *	3/2000	Yee et al 320/127				
6,072,472	A *	6/2000	Shiga 713/320				
6,213,879	B1*	4/2001	Niizuma et al 463/36				
6,238,291	B1*	5/2001	Fujimoto et al 463/44				
6,279,048	В1	8/2001	Fadavi-Ardekani et al.				
6,504,534	B1*	1/2003	Takase et al 715/867				
2002/0000984	A1*	1/2002	Asai et al 345/211				
FOREIGN PATENT DOCUMENTS							
1.0	'IXLIO	IN LAIL.	IVI DOCOMENTS				
TT			6/1000				

JP 10-174741 6/1998

OTHER PUBLICATIONS

Himowitz, Michael. "Blankers Useful." The Baltimore Sun, Herald, p. 6B. 1991.*

(Continued)

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(57) ABSTRACT

A TV game machine is connected to a portable game machine being used as a controller. If no operations have been carried out by a user to the portable game machine, the portable game machine sends a sleep request to the TV game machine, and then enters sleep mode. On receiving the sleep request, the TV game machine causes a message to be displayed on a display, and notifies a user that the portable game machine is being operated in sleep mode. This screen display continues until the portable game machine returns from the sleep mode. Thus, it is possible to prevent the user who sees the portable game machine in sleep mode from erroneously believing that the portable game machine is turned off and then operating a power button to turn it on.

18 Claims, 9 Drawing Sheets



References Cited U.S. PATENT DOCUMENTS

(56)

3,941,989	A	*	3/1976	McLaughlin et al 713/321
4,542,903	Α		9/1985	Yokoi et al.
				Cheng 345/10
5,067,079	Α	*	11/1991	Smith et al 463/3
				Nakazoe 713/321
5,448,262	A	*	9/1995	Lee et al 345/212